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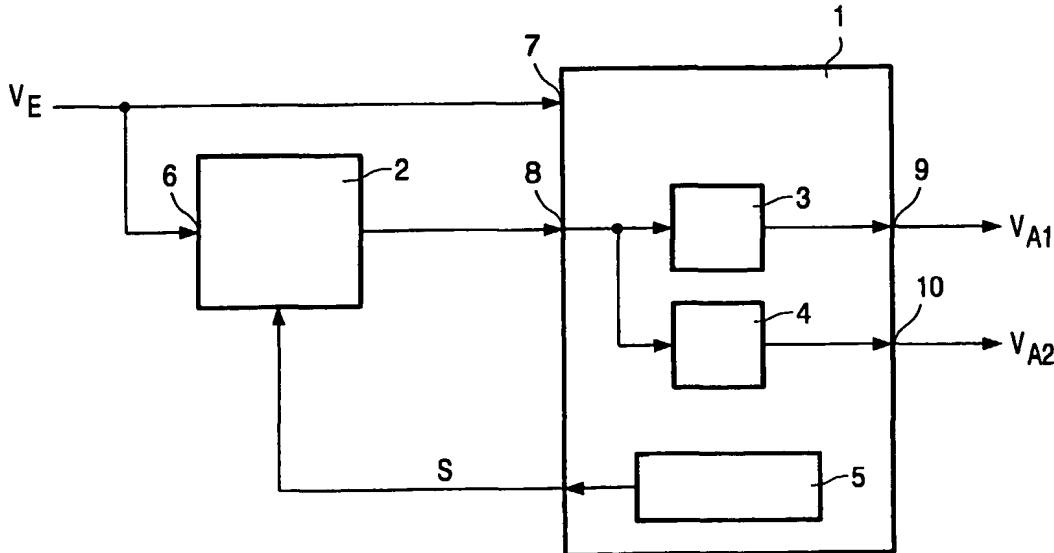
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(54) Title: CIRCUIT ARRANGEMENT FOR GENERATING DC VOLTAGES



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(57) Abstract: A circuit arrangement for vehicles for generating at least two DC output voltages ( $V_{A1}$ ,  $V_{A2}$ ) from at least one DC input voltage ( $V_E$ ), wherein the DC output voltages ( $V_{A1}$ ,  $V_{A2}$ ) are smaller than the DC input voltage ( $V_E$ ), the circuit arrangement comprising voltage regulating means (3, 4; 13, 14) for generating the DC output voltages ( $V_{A1}$ ,  $V_{A2}$ ), and wherein the DC input voltage ( $V_E$ ) is applied to a DC/DC converter (2; 12) which can be switched on or off by a control means (5; 15) and supplies a lower voltage than the DC input voltage ( $V_E$ ) to the voltage regulating means.



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## INTERNATIONAL SEARCH REPORT

Format

Application No

PCT/IB 03/01424

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H02J1/08

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H02M H02J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 617 015 A (GODER DIMITRY ET AL) 1 April 1997 (1997-04-01)	1,2
Y	abstract ---	3-6
X	US 6 307 757 B1 (LEDENEV ANATOLI V ET AL) 23 October 2001 (2001-10-23) figures 1-1,1-2 column 9, line 31 -column 10, line 54	1,2
Y	US 2002/001213 A1 (VELDMAN PAUL ET AL) 3 January 2002 (2002-01-03) abstract ---	3,4
Y	EP 0 300 091 A (PULIZZI ENG INC) 25 January 1989 (1989-01-25) abstract ---	5,6 -/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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Application No

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	"MC33186 AUTOMOTIVE H-BRIDGE DRIVER" MOTOROLA DATA SHEET, 13 December 2000 (2000-12-13), pages 1-12, XP002260012 page 1 page 6 -----	1, 3-5

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Inventor:

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